

Sheet 1 of 2

FORM PTO-1449**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98**

Docket Number: 4015-5177	Serial Number:
Applicant: Bottomley et al.	
Filing Date: March 29, 2004	Group:

U. S. PATENT DOCUMENTS

Examiner				Filing Date		
Initial	Patent No.	Date	Name	Class	Subcl	If Approp.
	A 6,683,924	2004	Ottosson et al.			
	B 6,363,104	2002	Bottomley			
	C 6,026,115	2000	Higashi et al.			
	D 5,983,105	1999	Stahle			
	E 5,572,552	1996	Dent et al.			
	F 6,470,044	2002	Kowalski			

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				Translation		
	Patent No.	Date	Name	Class	Subcl	Yes No
	A WO 01/01595	2001	Wang et al.			
	B EP 1 289 162	2003	Papasakellariou			
	C WO 01/71927	2001	Liberti et al.			
	D WO 99/65153	1999	Kowalewski			

OTHER DOCUMENTS (including author, title, date, pages, etc.)

A	U.S. Patent Application Publication, Pub. No.: US 2002/0122470 A1; Sept. 5, 2002.
B	U.S. Patent Application Publication, Pub. No.: US 2001/0028677 A1; Oct. 11, 2001.
C	R. McDonough and A. Whalen, "Detection of Signals in Noise, Second Edition, Academic Press. No Date available and not considered.
D	G. Bottomley, T. Ottosson, and Y. Wang, "A Generalized RAKE Receiver for Interference Suppression," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 18, No. 8, August 2000, pp. 1536-1545.
E	H. Liu and M. Zoltowski, "Blind Equalization in Antenna Array CDMA Systems," <i>IEEE Transactions on Signal Processing</i> , Vol. 45, No. 1, January 1997, pp. 161-172.
F	J. Choi, "Pilot Channel-Aided Techniques to Compute the Beamforming Vector for CDMA Systems with Antenna Array," <i>IEEE Transactions on Vehicular Technology</i> , Vol. 49, No. 5, September 2000, pp. 1760-1775.
G	I.S. Reed, J.D. Mallett, and L.E. Brennan, "Rapid Convergence Rate in Adaptive Arrays," <i>IEEE Transactions on Aerospace and Electronic Systems</i> , Vol. AES-10, No. 6, November 1974, pp. 853-863.

H	C.G. Khatri and C. Radhakrishna, "Effects of Estimated Noise Covariance Matrix in Optimal Signal Detection," <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , Vol. ASSP-35, No. 5, May 1987, pp. 671-679.
I	B. Suard, A. Naguib, G. Xu and A. Paulraj, "Performance of CDMA Mobile Communication Systems Using Antenna Arrays," <i>Proc. IEEE Intl. Conf. Acoust., Speech, & Signal Proc. (ICASSP)</i> , Minneapolis, MN, Apr. 27-30, 1993, pp IV-153 to IV-156.
J	G. Kutz and A. Chass, "On the Performance of a Practical Downlink CDMA Generalized RAKE Receiver," IEEE VTC 2002 Fall, Vancouver Sept. 24-28.
K	G. Kutz and A. Chass, "Low Complexity Implementation of a Downlink CDMA Generalized RAKE Receiver," IEEE VTC 2002 Fall, Vancouver Sept. 24-28.
L	Y. Wang and G. Bottomley, "Generalized RAKE Reception for Cancelling Interference from Multiple Base Stations," IEEE VTC 2000.
M	Petre et al, "Pilot-aided Adaptive Chip Equalizer Receiver for Interference Suppression in DS-CDMA Forward Link," Vehicular Technology Conference Fall 2000, September 24-28, 2000, 2.4.2.2.
N	Wang, Y.-P. Eric and Bottomley, Gregory E. Bottomley, "CDMA Downlink System Capacity Enhancement through Generalized RAKE Reception," in <i>Proc. IEEE Veh. Technol. Conf., Atlantic City, NJ, Oct. 7-11, 2001</i> .
O	Chowdhury, S., and Zoltowski, M.D., "Combined MMSE equality and multiuser detection for high-speed CDMA forward link with sparse multipath channels," <i>Conference Record of Thirty-Fifth Asilomar Conference on Signals, Systems and Computers</i> , 4-7 November 2001, Vol. 1, (Abstract).
P	Hai, Wang, Ramesh, R., Bottomley, Gregory E., and Wang, Y.-P Eric, "Approaches for fast, adaptive, generalized rake reception," <i>Research Disclosure Journal</i> , 475041, Nov. 2003, Kenneth Mason Publ. Ltd.

EXAMINER	DATE CONSIDERED
/Nhan Le/	02/23/2009
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.	